Fig. 1

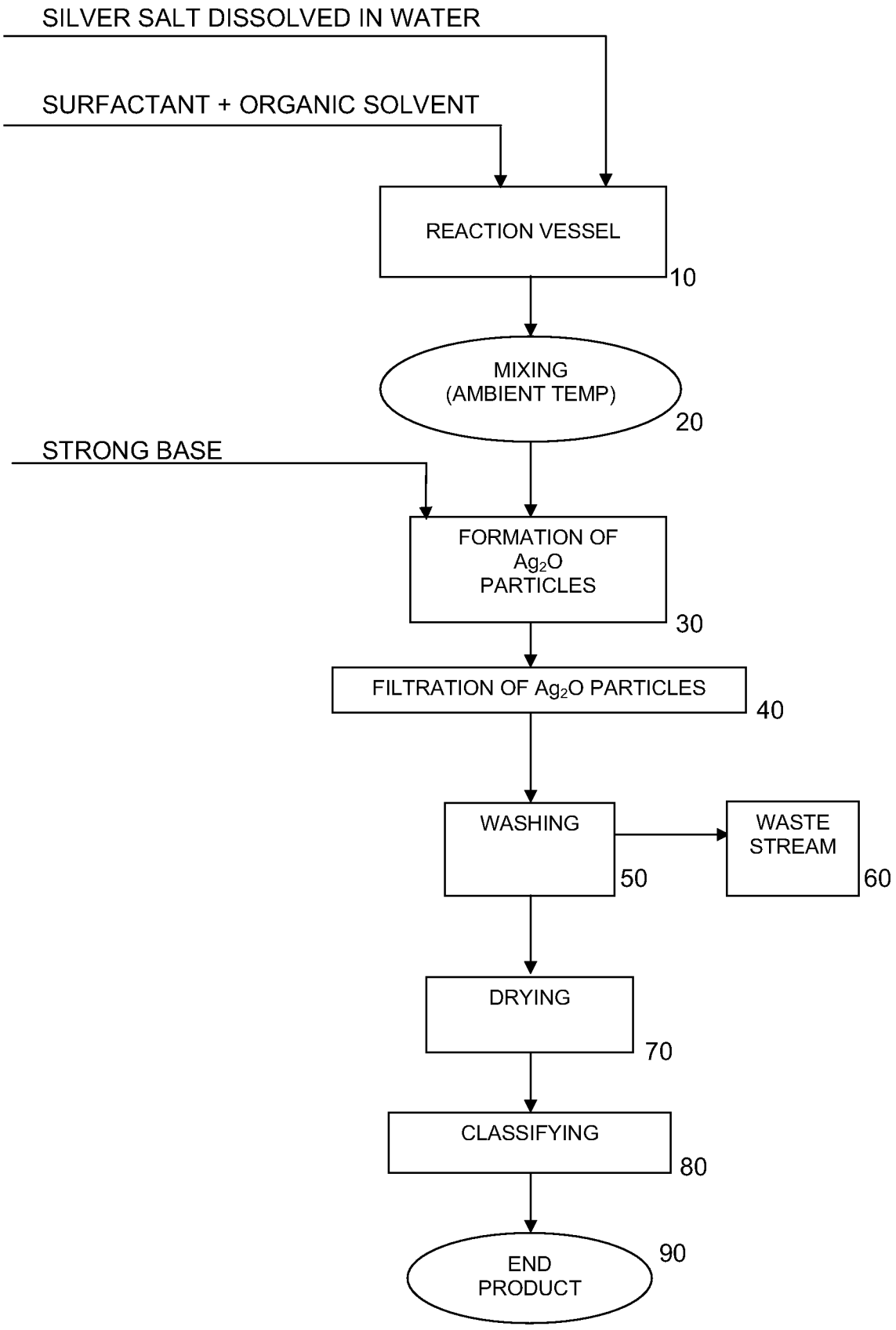

SILVER SALT DISSOLVED IN WATER
SURFACTANT + ORGANIC SOLVENT
REACTION VESSEL
10
MIXING
(AMBIENT TEMP)
20
STRONG BASE
FORMATION OF
Ag_2O
PARTICLES
30
FILTRATION OF Ag_2O PARTICLES
40
WASHING
50
WASTE
STREAM
60
DRYING
70
CLASSIFYING
80
END
PRODUCT
90

Fig. 2

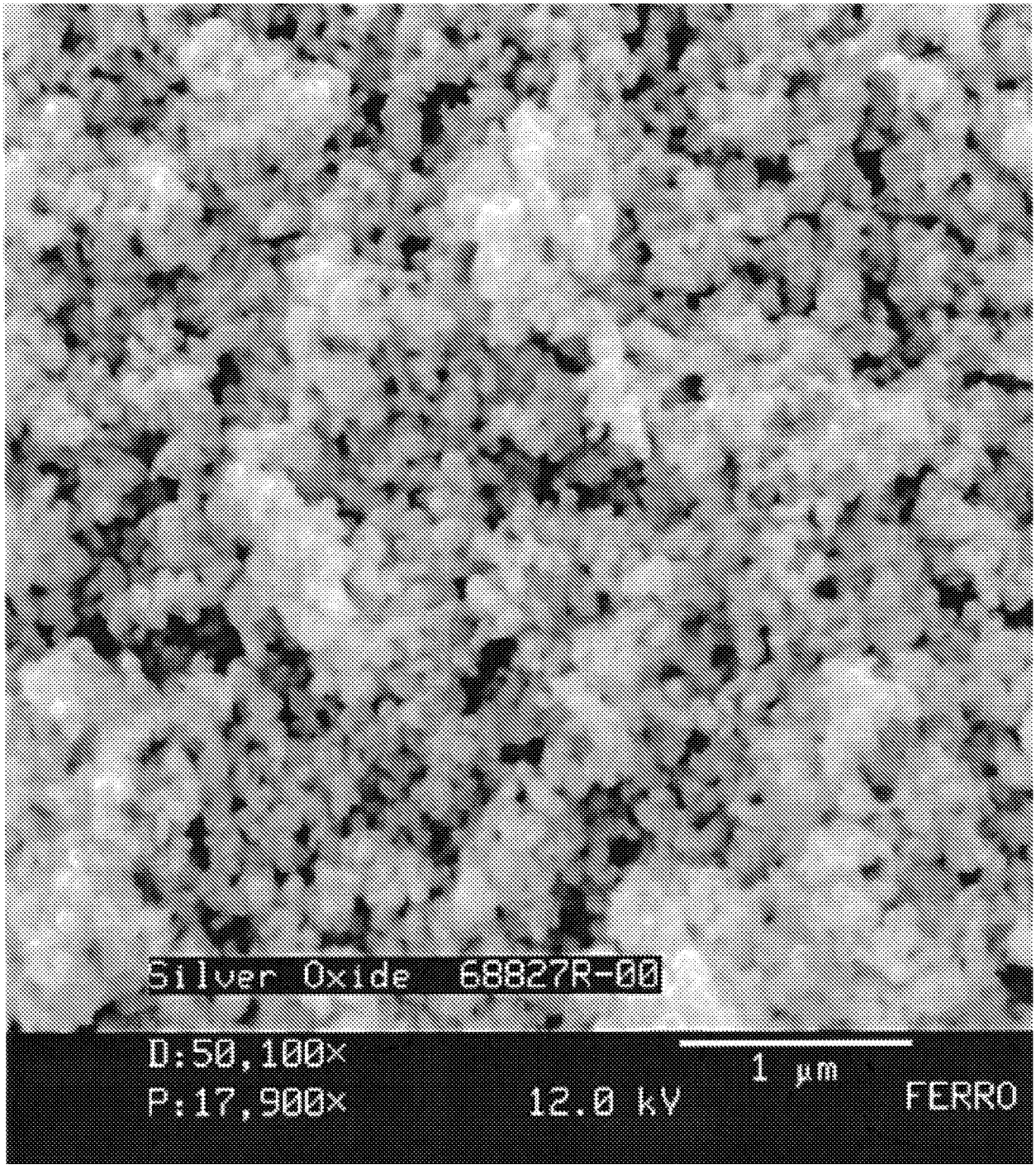


FIG. 3

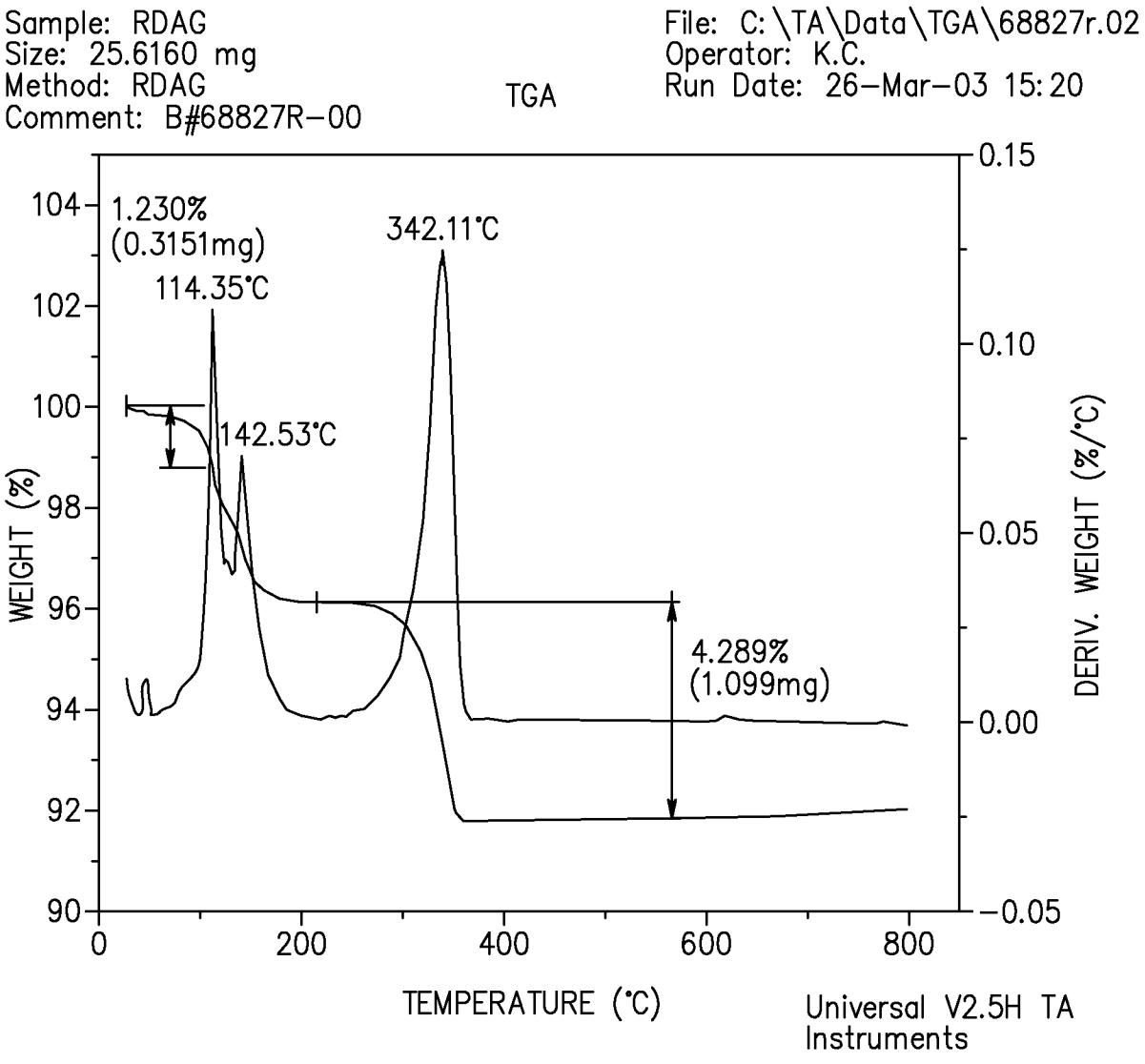
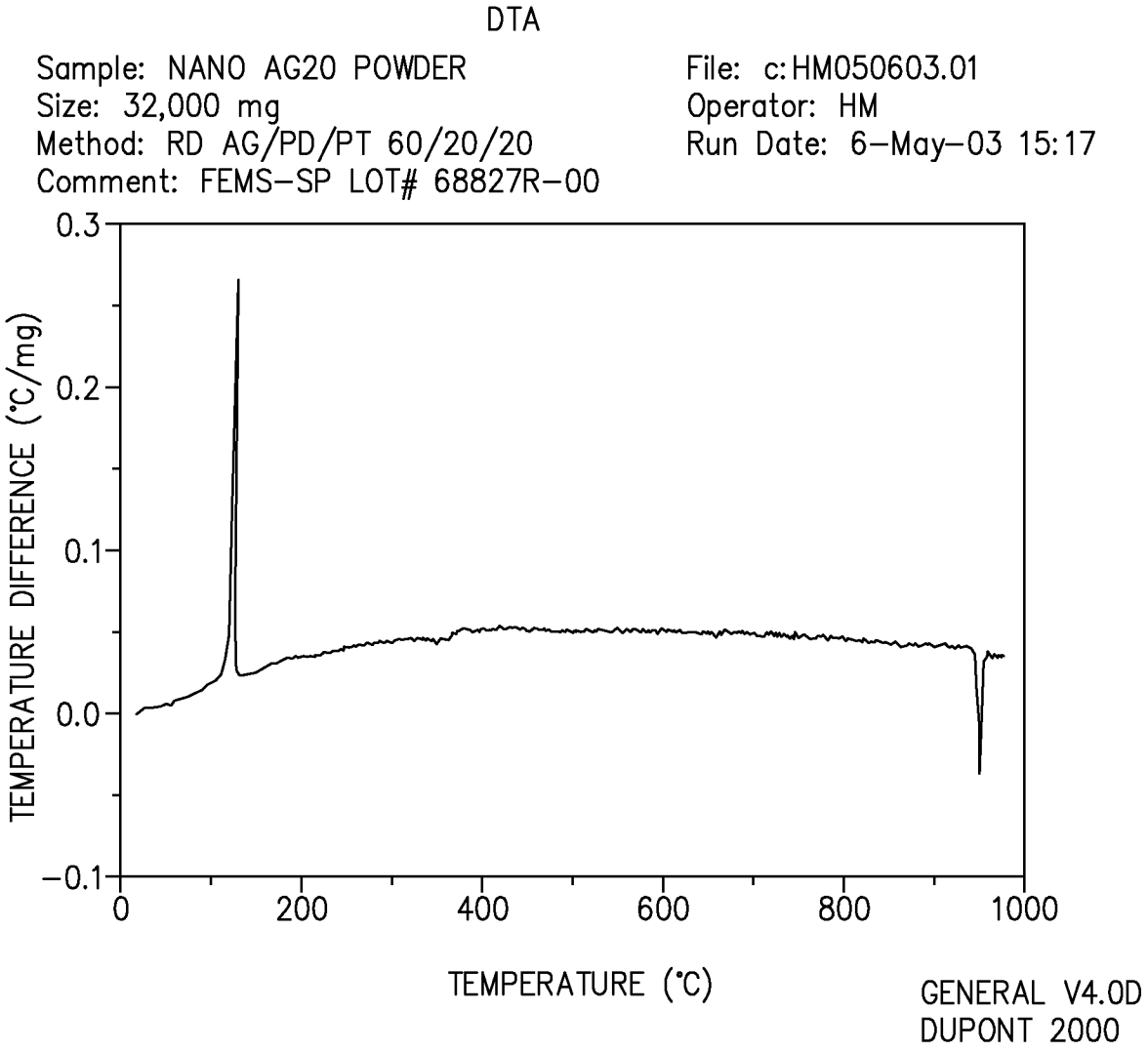

Sample: RDAG
Size: 25.6160 mg
Method: RDAG
Comment: B#68827R-00
TGA
File: C:\TA\Data\TGA\68827r.02
Operator: K.C.
Run Date: 26-Mar-03 15:20
1.230%
(0.3151mg)
114.35°C
342.11°C
142.53°C
4.289%
(1.099mg)
WEIGHT (%)
DERIV. WEIGHT (%/°C)
TEMPERATURE (°C)
Universal V2.5H TA Instruments

FIG. 4


DTA
Sample: NANO AG20 POWDER
Size: 32,000 mg
Method: RD AG/PD/PT 60/20/20
Comment: FEMS-SP LOT# 68827R-00
File: c:HM050603.01
Operator: HM
Run Date: 6-May-03 15:17
TEMPERATURE DIFFERENCE (°C/mg)
0.3
0.2
0.1
0.0
-0.1
0
200
400
600
800
1000
TEMPERATURE (°C)
GENERAL V4.0D
DUPONT 2000